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| **190 Ryland Street, Apt# 5325.**  **San Jose CA 95110** | **Rohit Kotalwar** | **+1 (408) 667-2864 Rohit\_Kotalwar@outlook.com** |

**Languages and Skills**

* **Programming:** Java, C++, Python, JavaScript, AJAX, Nodejs, Angularjs, Perl, PHP, REST Web Services.
* **Web Languages and Technologies:** HTML5, CSS, JQuery, Bootstrap, Tableau, Neo4j.
* **Frameworks and Databases:** Express, Java/Jersey, MySQL, MongoDB, MSSQL, Oracle.
* **Cloud and Middleware:** Amazon AWS, Heroku, Google Engine, Apache Kafka, Elastic Search, RabbitMQ.
* **Network Protocols:** TCP, UDP, ARP, RTSP, HTTP, RIP, OSPF, DNS, NAT.
* **Other Tools:** Eclipse, GIT, Perforce, Jenkins, WebStorm, Jmeter, Virtual BOX, VMware.

**Work Experience:**

**Software Developer Intern – Internet of Things F5 Networks Inc. June 2017 - Aug 2017**

* Developed IAppLX Web Application using Mean Stack for IoT framework and Integrated with BIGIP (F5 Product).
* Created the provision to configure and incorporated access rules in IoT Framework through web application.
* IAppLX application can create and configure the MQTT Servers and also contains access management for Servers.
* Experienced with UI framework, RESTful API’s and continuous Integration tools GIT, Perforce, Jenkins.
* Hands on Experience using HTML, CSS, ANGULARJS, NODEJS.

**Graduate Research Assistant. San Jose State University. Aug 2016 - Dec 2016**

* Researched and developed Routing and Load Balancing application using SDN Floodlight Controller.
* Developed Intrusion Detection system using SDN Floodlight controller and SNORT IDS, simulated various attacks to determine the agility of SDN. Determined performance analysis of SDN during the various attacks.
* Written User Rules for SNORT for detecting the attack.

**System Software Engineer. Infosys Limited. June 2014 - Jan 2015**

* Successfully Completed extensive training on technologies such as PHP, PERL, MYSQL, HTML, CSS.
* Developed prototype Web application for Insurance company.
* Designed Software Requirement Specification plan for prototype.

**Publications:**

* Data Mining: Evaluating Performance of Employee’s using Classiﬁcation Algorithm Based on Decision Tree. IRACST – Engineering Science and Technology: An International Journal (ESTIJ), ISSN: 2250-3498. Vol.4, No. 2, April 2014.
* Robust and Agile System against Fault and Anomaly Traﬃc in Software Deﬁned Networks**.** Appl. Sci. 2017, 7(3), 266; doi:10.3390/app7030266. <http://www.mdpi.com/2076-3417/7/3/266>

**Education:**

**M.S in Computer Engineering** **San Jose State University** GPA: 3.37 **Jan 2016 - Dec 2017**

**B.E in Computer Engineering** **University of Mumbai** GPA: 3.5  **Aug 2010 - May 2014**

**Academic Projects:**

* **Designing and Developing an Infrastructure for Data insight in Software Defined Networks.** Capturing Real Time Packet using Pycapa and storing it into the Kafka. Converting Raw data of Network Packets into JSON Object. Classifying data and forming the clusters. Analyzing the clustered data and take the particular actions accordingly. Project Sponsored by VMWare Inc.
* **Cloud Infrastructure for Mobile Sensor Network.** Developed Web application for GPS Tracking System. Developed Android Application which keeps track of location. Used Cloud service AWS EC2, Elastic Load Balancer.
* **Multithreaded Video Streaming Application.** Developed application for streaming and signaling data using RTSP and RTP protocol. Multicast support for video streaming. Unicast support for video streaming using multithreading. Deployed server on Amazon Ec2, used S3 to store videos. Used Jmeter for performance testing for over 1000+ requests to the server.
* **Twitter Prototype.** A Prototype application similar to twitter using Node.js, Angular.js, Bootstrap, HTML5, RabbitMQ. Successfully replicated functionalities of tweet, retweet, follow, hash tagging and searching. Introduced RabbitMQ to enhance the performance.
* **Cloud Box (Drop Box Prototype).** Developed Dropbox like application, Implemented features like uploading, deleting, downloading and listing all the files. Implemented the features like sharing the file with other users.